



## Sediment Runoff Report Summary

The task of measuring sediment runoff was entrusted to the Korea Expressway Corporation Technology Institute in 2004. The Institute performed the test by installing a test form on May 6, 2004 and took measurements beginning immediately after installation through July 30, 2004. A picture of the test method used can be found on page 2 of this report summary. The following results were obtained:

During research, on six occasions precipitation events of more than 10mm were recorded, with one event of 236mm.

As the table below shows, muddy sediment runoff measurements in test sectors 1 & 2 were less than those found in the control sector.

Table: Muddy Sediment Runoff After  
NockSanSoil (SlopeGrowth)Spraying on a Slope

Muddy Sediment Runoff (g/m <sup>2</sup> )						
2004						
Date	5. 12	5. 28	6. 17	6. 19	7. 1 ~ 7	7. 11 ~ 17
Precipitation	20mm	42.5mm	28mm	89.5mm	136mm	236mm
Control sector	15.71	72.04	129.48	237.32	619.10	1118.97
Sector 1 (south)	5.26	12.60	9.89	36.65	34.00	79.61
Sector 2 (north)	5.07	10.45	8.01	30.66	32.12	59.17

During the test, there were no sediment present other than muddy, and after the slope surfaces were covered by vegetation, there was no sediment runoff.

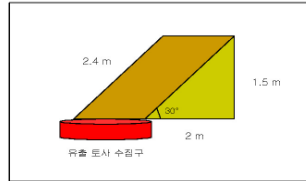


그림 3.4 토사유출량 조사용 모형제작틀 모식도

### 3.2.1.3 시험시공 사진



사진 3.3 토사유출량 모형제작틀 설치 전경